

REMARKS

Favorable reconsideration is respectfully requested.

Upon entry of the above amendment the claims will be 1, 3, 4, 5 and 7 to 18.

The above amendment is responsive to points set forth in the Official Action.

In this regard, all recording layers are now required to contain colloidal particles and a water-soluble resin.

Further, the contained resin is limited to a water-soluble resin and thus the term "cationic resin" has been deleted. These amendments are supported at page 61, lines 5 to page 66, line 4 (i.e., Examples I-1 to I-6) and page 70, Table 1 of the present specification.

The significance of the forgoing amendments will become further apparent from the remarks below.

Claims 1 to 5, 7 to 16, 18 and 23 to 26 have been rejected under 35 U.S.C. 103 as being unpatentable over Miyamoto in view of Asano for the reasons of the record.

Further, claim 17 remains rejected under 35 U.S.C. 103(a) as being unpatentable over Miyamoto in view of Asano, as applied above, in view of Snowtex®.

These rejections are respectfully traversed.

Miyamoto (US 4,460,637) discloses that the peak on a pore radius distribution curve of the uppermost layer is from 0.2 to 10 μm (see the abstract) and that all peaks are from 0.2 to 10 μm and 0.05 μm or less, but does not disclose or suggest that all peaks on a pore diameter distribution curve are only from 2 to 100 nm as presently recited.

Asano (US 5,670, 242) is silent as to the pore diameter distribution.

The significance of the pore diameter distribution presently recited is evident from pages 12 to 15 of the present specification.

There is nothing in the Snowtex® publication which overcomes the above-discussed deficiencies of the primary and secondary references.


Accordingly, the rejections on prior art are untenable and should be withdrawn.

No further issues remaining, allowance of this application is respectfully requested.

If the Examiner has any comments or proposals for expediting prosecution, please contact the undersigned at the telephone number below.

Respectfully submitted,

Bo LIU et al.

By: 
Matthew Jacob
Registration No. 25,154
Attorney for Applicants

MJ/jef
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
September 18, 2002

Version with Markings to
Show Changes Made

1. **(Thrice Amended)** An ink jet recording material comprising:
a support; and
[at least] one or more recording layers provided on said support;
wherein [at least one of said at least one] each of said recording layers contain[s] colloidal particles and a water-soluble resin [and a cationic resin]; and
a peak on a pore diameter distribution curve of said recording layers lies in a pore diameter only in the range of 2 nm to 100 nm.
4. **(Twice Amended)** [An] The ink jet recording material according to claim [2] 1, wherein said support has a recording layer having a plurality of layers, at least an uppermost layer and a second layer of said plurality of layers containing colloidal silica.
5. **(Twice Amended)** The ink jet recording material according to claim [2] 1, wherein the weight ratio of the colloidal silica to the water soluble resin by solid content is in the range of 4/1 to 50/1.